

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	68	(US-6744516-\$ or US-5105651-\$ or US-5129257-\$ or US-5184017-\$ or US-5210702-\$ or US-6900893-\$ or US-5246868-\$ or US-5306913-\$ or US-5319199-\$ or US-5332901-\$ or US-5343043-\$ or US-5371367-\$ or US-5373160-\$ or US-5386373-\$ or US-5401967-\$ or US-5418366-\$ or US-5451787-\$ or US-5489777-\$ or US-5719396-\$ or US-5726450-\$ or US-5731510-\$ or US-5753185-\$ or US-5773828-\$ or US-5498872-\$ or US-5572424-\$ or US-5583765-\$).did. or (US-5589629-\$ or US-5591975-\$ or US-5252828-\$ or US-5621166-\$ or US-5644133-\$ or US-5693872-\$ or US-5831267-\$ or US-4479057-\$ or US-4501968-\$ or US-6396056-\$ or US-6833922-\$ or US-4795253-\$ or US-4924095-\$ or US-4990780-\$ or US-4390785-\$ or US-4480191-\$ or US-4678914-\$ or US-4490043-\$ or US-5060505-\$ or US-4818705-\$ or US-5099680-\$ or US-4544273-\$ or US-3743426-\$ or US-3908167-\$ or US-4829183-\$ or US-3696247-\$ or US-3957372-\$).did. or (US-4810884-\$ or US-4560873-\$ or US-4663961-\$ or US-4719360-\$ or US-4746218-\$ or US-4765961-\$ or US-3593023-\$ or US-3958122-\$ or US-4999498-\$ or US-5877862-\$ or US-4998017-\$ or US-5811812-\$ or US-5621213-\$ or US-6560545-\$).did. or (US-4420687-\$).did.	USPAT; USOCR	OR	ON	2006/07/22 17:10
L2	137852	"250"/\$7.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/22 17:11
L3	6043	2 and infrared and gas	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/22 17:12
L4	55	3 and scan\$4 adj detector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/22 17:20
L5	20	3 and (move or movable) adj detector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/22 17:13
L6	6043	2 and infrared and gas	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/22 17:12
L7	20	6 and (move or movable) adj detector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/22 17:13
L8	55	6 and scan\$4 adj detector	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/22 17:25

## EAST Search History

L9	55	6 and scan\$4 adj detector and scan\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/22 17:28
L10	1	gagliardi.xa. and carpet	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/22 17:32
L11	167038	gas near4 (analy\$4 or concentrat\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/22 17:35
L12	14094	gas near4 (analy\$4 or concentrat\$4).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/22 17:35
L13	589	gas near4 (analy\$4 or concentrat\$4).clm. and vehicle near4 exhaust	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/22 17:36
L14	122	gas near4 (analy\$4 or concentrat\$4).clm. and vehicle near4 exhaust.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/22 17:40
L15	8	gas near4 (analy\$4 or concentrat\$4).clm. and vehicle near4 exhaust.clm. and remot\$4.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/22 17:40
L16	27	gas near4 (analy\$4 or concentrat\$4).clm. and vehicle near4 exhaust.clm. and filter.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/22 17:41
L17	1	gas near4 (analy\$4 or concentrat\$4).clm. and vehicle near4 exhaust.clm. and filter adj wheel.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/22 17:41
L18	1	gas near4 (analy\$4 or concentrat\$4).clm. and vehicle near4 ( emission or exhaust).clm. and filter adj wheel.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/22 17:42
L19	1	(infrared or gas) near4 (analy\$4 or concentrat\$4).clm. and vehicle near4 ( emission or exhaust).clm. and filter adj wheel. clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/22 17:42
L20	5	(infrared or gas) near4 (analy\$4 or concentrat\$4).clm. and (emission or exhaust).clm. and filter adj wheel.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/22 17:43

## EAST Search History

L21	2	(infrared or gas) near4 (analy\$4 or concentrat\$4).clm. and (emission or exhaust).clm. and rotat\$6 near filter.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/22 17:46
L22	21	(infrared or gas) near4 (analy\$4 or concentrat\$4).clm. and (emission or exhaust).clm. and filter near2 (rotat\$6 or chop\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/22 17:49
L23	39	(gas or emission or exhause) near4 (analy\$4 or concentrat\$4).clm. and (emission or exhaust).clm. and filter near2 (rotat\$6 or chop\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/22 17:50
L24	16669	(gas or emission or exhaust) near4 (infrared analy\$4 or concentrat\$4).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/22 17:56
L25	687	(gas or emission or exhaust) near4 (infrared analy\$4 or concentrat\$4).clm. and (vehicle or automobile).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/22 17:51
L26	2602	(gas or emission or exhaust) near4 (infrared analy\$4 or concentrat\$4).clm. and (vehicle or automobile or engine).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/22 17:55
L27	5	26 and filter near2 wheel.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/22 17:52
L28	5	26 and chopper.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/22 17:54
L29	3	26 and chopper.clm. and filter.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/22 17:53
L30	5	26 and chopper.clm. and filter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/22 17:55
L31	0	26 and detector near4 alter\$4 near4 position	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/22 17:58
L32	0	26 and detector near4 alter\$4 near4 position.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/22 17:59

## EAST Search History

L33	10	26 and detector near4 alter\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/22 17:58
L34	0	26 and detector near4 alter\$4 near4 position\$4.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/22 18:00
L35	14	26 and detector near4 position\$4.clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/22 18:01
S39	160	250/339.01.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/18 17:02
S40	120	250/350.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/18 17:03
S41	290	250/338.5.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/18 17:03
S42	393	250/339.11.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/18 17:03
S43	476	250/339.12.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/18 17:03
S44	383	250/339.13.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/18 17:03
S45	3853	250/338.5.ccls. 250/339.01.ccls. 250/339.11.ccls. 250/339.12.ccls. 250/339.13.ccls. 250/341.8.ccls. 250/343.ccls. 250/347.ccls. 250/349.ccls. 250/350.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/18 17:18
S46	338	S45 and (vehicle automobile car engine) and (emission or exhaust)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/18 17:19

## EAST Search History

S47	117	("3593023" "3696247" "3743426" "3908167" "3957372" "3958122" "3973848" "4160373" "4390785" "4480191" "4490043" "4544273" "4560873" "4663961" "4719360" "4746218" "4765961" "4795253" "4810884" "4818705" "4829183" "4924095" "4990780" "4999498" "5060505" "5099680" "5105651" "5129257" "5184017" "5210702" "5246868" "5252828" "5306913" "5319199" "5332901" "5343043" "5371367" "5373160" "5386373" "5401967" "5418366" "5451787" "5489777" "5498872" "5572424" "5583765" "5589629" "5591975" "5621166" "5644133" "5693872" "5719396" "5726450" "5731510" "5753185" "5773828" "5831267").PN.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/18 17:15
S48	425	S46 S47	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/18 17:15
S49	3853	250/338.5.ccls. 250/339.01.ccls. 250/339.11.ccls. 250/339.12.ccls. 250/339.13.ccls. 250/341.8.ccls. 250/343.ccls. 250/347.ccls. 250/349.ccls. 250/350.ccls. "73"."31".ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/18 17:18
S50	4888	250/338.5.ccls. 250/339.01.ccls. 250/339.11.ccls. 250/339.12.ccls. 250/339.13.ccls. 250/341.8.ccls. 250/343.ccls. 250/347.ccls. 250/349.ccls. 250/350.ccls. 73/23.31.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/18 17:19
S51	864	S50 and (vehicle automobile car engine) and (emission or exhaust)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/18 17:19
S52	942	S47 S51	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/18 17:20
S53	391	S52 and infrared	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/18 17:40
S54	311	S53 and filter	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/18 17:40
S55	81	S53 and filter same (wheel or disc)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/18 17:48
S56	4	"6455851".pn. "6281498".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/18 17:48
S57	2	("5498872"   "5807750").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/18 17:49
S58	30	("5498872").URPN.	USPAT	OR	ON	2006/03/18 17:50

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S59	60	("3593023"   "3696247"   "3743426"   "3908167"   "3957372"   "3958122"   "3973848"   "3979589"   "4160373"   "4390785"   "4480191"   "4490043"   "4544273"   "4560873"   "4663961"   "4719360"   "4746218"   "4765961"   "4795253"   "4810884"   "4818705"   "4829183"   "4924095"   "4990780"   "4999498"   "5060505"   "5099680"   "5105651"   "5129257"   "5184017"   "5210702"   "5246868"   "5252828"   "5306913"   "5319199"   "5327356"   "5332901"   "5343043"   "5371367"   "5373160"   "5386373"   "5401967"   "5418366"   "5451787"   "5479255"   "5489777"   "5498872"   "5572424"   "5583765"   "5589629"   "5591975"   "5621166"   "5644133"   "5693872"   "5719396"   "5726450"   "5731510"   "5753185"   "5831267"   "6396056").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/18 17:50
S60	32	("2930893"   "3171027"   "3287556"   "3364351"   "3696247"   "3958122"   "3973848"   "4126396"   "4160373"   "4348732"   "4390785"   "4490845"   "4632563"   "4678914"   "4746218"   "4755678"   "4795253"   "4818705"   "4924095"   "4963023"   "4999498"   "5002391"   "5041723"   "5061854"   "5076699"   "5210702"   "5319199"   "5401967").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/18 17:50
S61	30	("5498872").URPN.	USPAT	OR	ON	2006/03/18 17:51
S62	7	("4501968").URPN.	USPAT	OR	ON	2006/03/18 18:03
S63	38	("4560873").URPN.	USPAT	OR	ON	2006/03/18 18:06
S64	2	("5498872"   "5807750").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/03/18 18:22
S65	2	"4678914".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/18 18:24
S66	66	(US-5831267-\$ or US-5773828-\$ or US-5753185-\$ or US-5731510-\$ or US-5726450-\$ or US-5719396-\$ or US-5693872-\$ or US-5644133-\$ or US-5621166-\$ or US-5591975-\$ or US-5589629-\$ or US-5583765-\$ or US-5572424-\$ or US-5498872-\$ or US-5489777-\$ or US-5451787-\$ or US-5418366-\$ or US-5401967-\$ or US-5386373-\$ or US-5373160-\$ or US-5371367-\$ or US-5343043-\$ or US-5319199-\$ or US-5306913-\$ or US-5252828-\$ or US-5246868-\$).did. or (US-5210702-\$ or US-5184017-\$ or US-5129257-\$ or US-5105651-\$ or US-5099680-\$ or US-5060505-\$ or US-4999498-\$ or US-4990780-\$ or US-4924095-\$ or US-4829183-\$ or US-4818705-\$ or US-4810884-\$ or US-4795253-\$ or US-4765961-\$ or US-4746218-\$ or US-4719360-\$ or US-4663961-\$ or US-4544273-\$ or US-4560873-\$ or US-4490043-\$ or US-4480191-\$ or US-4390785-\$ or US-3958122-\$ or US-3957372-\$ or US-3908167-\$ or US-3743426-\$ or US-3696247-\$).did. or (US-3593023-\$ or US-6900893-\$ or US-5877862-\$ or US-4479057-\$ or US-4501968-\$ or US-6560545-\$ or US-4998017-\$ or US-5332901-\$ or US-5621213-\$ or US-5811812-\$ or US-6396056-\$ or US-4678914-\$).did. or (US-4420687-\$).did.	USPAT; USOCR	OR	ON	2006/03/18 18:40
S67	212	didomenico.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/18 18:40
S68	667159	didomenico, john.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/18 18:40

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S69	34	didomenico near john.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/18 18:41
S70	1369	johnson near james.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/18 18:41
S71	6	S69 and S70	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/18 18:43
S72	1397	S69 S70	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/18 18:43
S73	0	S72 and exhaust	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/18 18:43
S74	93	S72 and exhaust	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/18 18:43
S75	68	(US-5831267-\$ or US-5773828-\$ or US-5753185-\$ or US-5731510-\$ or US-5726450-\$ or US-5719396-\$ or US-5693872-\$ or US-5644133-\$ or US-5621166-\$ or US-5591975-\$ or US-5589629-\$ or US-5583765-\$ or US-5572424-\$ or US-5498872-\$ or US-5489777-\$ or US-5451787-\$ or US-5418366-\$ or US-5401967-\$ or US-5386373-\$ or US-5373160-\$ or US-5371367-\$ or US-5343043-\$ or US-5319199-\$ or US-5306913-\$ or US-5252828-\$ or US-5246868-\$).did. or (US-5210702-\$ or US-5184017-\$ or US-5129257-\$ or US-5105651-\$ or US-5099680-\$ or US-5060505-\$ or US-4999498-\$ or US-4990780-\$ or US-4924095-\$ or US-4829183-\$ or US-4818705-\$ or US-4810884-\$ or US-4795253-\$ or US-4765961-\$ or US-4746218-\$ or US-4719360-\$ or US-4663961-\$ or US-4544273-\$ or US-4560873-\$ or US-4490043-\$ or US-4480191-\$ or US-4390785-\$ or US-3958122-\$ or US-3957372-\$ or US-3908167-\$ or US-3743426-\$ or US-3696247-\$).did. or (US-3593023-\$ or US-6900893-\$ or US-5877862-\$ or US-4479057-\$ or US-4501968-\$ or US-6560545-\$ or US-4998017-\$ or US-5332901-\$ or US-5621213-\$ or US-5811812-\$ or US-6396056-\$ or US-4678914-\$ or US-6833922-\$ or US-6744516-\$).did. or (US-4420687-\$).did.	USPAT; USOCR	OR	ON	2006/03/18 18:56
S76	15	S75 and filter near wheel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/03/18 18:57